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**BRAMBILLA, Gaetano** [IT/IT]; Via Palermo, 26/A,  
I-43100 Parma (IT).

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(74) Agents: **MINOJA, Fabrizio** et al.; Via Rossini 8, I-20122  
Milano (IT).

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(71) Applicant (*for all designated States except US*): **CHIESI  
FARMACEUTICI S.P.A.** [IT/IT]; Via Palermo, 26/A,  
I-43100 Parma (IT).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **CHURCH, Tanya**,  
Kathleen [GB/IT]; Via Palermo 26/A, I-43100 Parma (IT).  
**LEWIS, David, Andrew** [GB/IT]; Via Palermo 26/A,  
I-43100 Parma (IT). **GANDERTON, David** [GB/IT]; Via  
Palermo, 26/A, I-43100 Parma (IT). **MEAKIN, Brian**,  
John [GB/IT]; Via Palermo 26/A, I-43100 Parma (IT).

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(54) Title: **SALMETEROL SUPERFINE FORMULATION**

(57) **Abstract:** The present invention relates to a pharmaceutical formulation for use in the administration of a long-acting  $\beta_2$ -agonist by inhalation. In particular this invention relates to a chemically stable, highly efficient salmeterol HFA solution formulation to be administered by pressurised metered dose inhalers (pMDIs) characterized by a deep lung penetration. The invention also relates to methods for the preparation of said formulation and to its use in respiratory diseases such as asthma and chronic obstructive pulmonary disease (COPD).

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